DECLARATION AND POWER OF ATTORNEY Attor

Attorney's Docket No. 07982-105018

In re Application of: Andrew Joo Klm, Vincent Mark Hietala and Sanjay Bajekal

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: Adaptive Noise Filtering and Equalization for Optimal High Speed Multilevel Signal Decoding, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

Application No.	Country	Filing Date	Priority Claimed Under 35 USC §119 (a)-(d)		
None			Yes	No	_
I hereby claim the below:	benefit under Tit	le 35, United States Code. §	119(e) of any United S	States provisional app	olication(s) listed
60/396,065	July 15				
(Application No	.) (Filing Date)	(Application No.)	(Filing D	Jate)
as the subject matte the manner provided information as defin	r disclosed and o d by the first par ned in Title 37, C	e 35, United States Code, §12 claimed in the present applice agraph of Title 35, United S Code of Federal Regulations, PCT international filing date	ation is not disclosed in tates Code §112, I ackn §1.56 which became av	the prior United State owledge the duty to	tes application in disclose material
Application Scr	ial No.	Filing Date	Status: patented, pe	nding, abandoned	
None					
the like so made are that such willful fals POWER OF ATTO Patent and Tradema 36,942; Holmes J. FO. Isaacs II-44,165;	punishable by fire statements may RNEY: The following RNEY: National Plant RNEY: National R	arther that these statement we not or imprisonment, or both, a jeopardize the validity of the lowing are hereby appointed cted therewith: Sherry M. 1 Steven P. Wigmore-40,447; feld-48,394; Stephanic D. Actasha Home Moffitt-53,340 Spalding LLP or No. 20786 chtree Street, N.E., 45th Floor Georgia 30303	under Section 1001 of T e application or any pate to prosecute this applic Knowles-33,052; W. So Charles E. Peeler-45,00 dams-47,378; Hoang Vo ; Michael S. Pavento-	Title 18 of the United into issuing thereon. ation and transact all cott Petty-35,645; Cl 4; A. Shane Nichols-0-47,158; James M.	States Code, and business in the ark G. Sullivan- 43,836; William Hannon-48,565; Wach-P54,517;
Full name of first i			Citizens	hip: USA	- ·
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inventor's signatur	Cinchau (for Kim	Date:	7/15/2003	
Residence and Pos	t Office Addres	ss: 3645 Peachtree Rd, #31	2, Atlanta, GA 3031	9	
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or inventor's certificate lists	ed below, and have a n common with the	so identified below any forei above-identified specification	gn applicati on and hav	f the foreign application(s) for patent on for patent or inventor's certificate ing a filing date before that of the			
Application No. Con	intry Filing	Date Pr	iority Clain	ned Under 35 USC §119 (a)-(d)			
None		Y	es	No			
I hereby claim the benefit to below:	under Title 35, Unite	d States Code, § 119(e) of a	ny United S	tates provisional application(s) listed			
60/396,065	July 15, 2002						
(Application No.)	(Filing Date)	(Applicatio	n No.)	(Filing Date)			
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:							
Application Serial No.	Filing Da	te Status: p	atented, per	nding, abandoned			
belief are believed to be truthe like so made are punish that such willful false statem. POWER OF ATTORNEY: Trademark Office connected to 38,913; Steven P. Wigmore-448,394; Stephanie D. Adams-53,340; Michael S. Pavento-42 LLP Direct tele	te; and further that the able by fine or imprishents may jeopardize the following are hereberewith: Sherry M. K. 0,447; Charles E. Peele 17,378; Hoang Vo-47,1 2,985; Michael L. Wach phone calls at (404) 572 Customer No. 2078 191 Peachtree Street Atlanta, Georgia 30	nese statement were made wit comment, or both, under Section the validity of the application by appointed to prosecute this a nowles-33,052; W. Scott Petty-3 ar-45,004; A. Shane Nichols-43, 58; James M. Hannon-48,565; C-P54,517; Madeline I. Johnston- 22884 61; N.E., 45 th Floor	h the knowin 1001 of T or any pate optication an 5,645; Clark 836; William Charles E. Th 36,174Send	d transact all business in the Patent and G. Sullivan-36,942; Holmes J. Hawkins-1 O. Isaacs II-44,165; Robert T. Neufeld-torpe, Jr48,782; Natasha Horne Moffitt-correspondence to: King & Spalding Steven P. Wigmore			
Full name of second inve	ntor: Vincent Mar	k Hietala	Citizens	hip: USA			
Inventor's signature) May	Hutus	Date:	7-15-2003			
Residence and Post Office Address: 1403 White Rim Place, NE, Albuquerque, NM 87112							
				Page 2 of 3			

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Attorney's Docket No. 07982-105018

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I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent

or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed: Application No. Country Filing Date Priority Claimed Under 35 USC §119 (a)-(d) None I hereby claim the benefit under Title 35. United States Code, § 119(e) of any United States provisional application(s) listed below: 60/396,065 July 15, 2002 (Application No.) (Filing Date) (Application No.) (Filing Date) I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: Application Serial No. Filing Date Status: patented, pending, abandoned None I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon. POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Clark G. Sullivan-36,942; Holmcs J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles E. Peeler-45,004; A. Shane Nichols-43,836; William O. Isaacs II-44,165; Robert T. Neufeld-48,394; Stephanie D. Adams-47,378; Hoang Vo-47,158; James M. Hannon-48,565; Charles E. Thorpe, Jr.-48,782; Natasha Home Moffitt-53,340; Michael S. Pavento-42,985; Michael L. Wach-P54,517; Madeline I. Johnston-36,174 Send correspondence to: King & Spalding LLP Direct telephone calls at (404) 572-2884 Customer No. 20786 191 Peachtree Street, N.E., 45th Floor Steven P. Wigmore Atlanta, Georgia 30303 Full name of third inventor: Sanjay Bajekal Citizenship: USA Inventor's signature Chapual Date: 15th July 2003 Residence and Post Office Address: 3703 Baccurate Way, Marietta, GA 30062